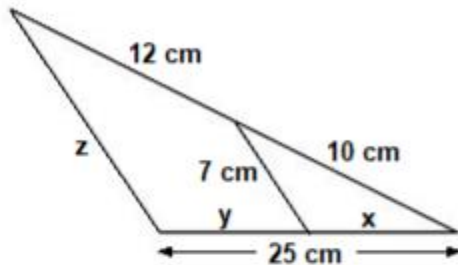


GEOMETRY TEST - 3º ESO

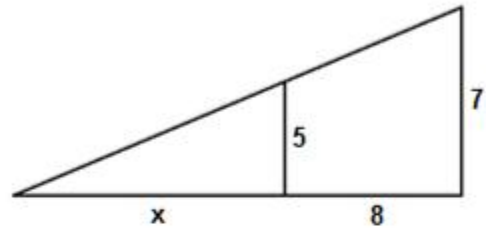
Exercise 1: (0.5 points) Enunciate Pythagoras' theorem

Exercise 2: (2 pts) Work out the values of the indeterminates in the following figures:

a)

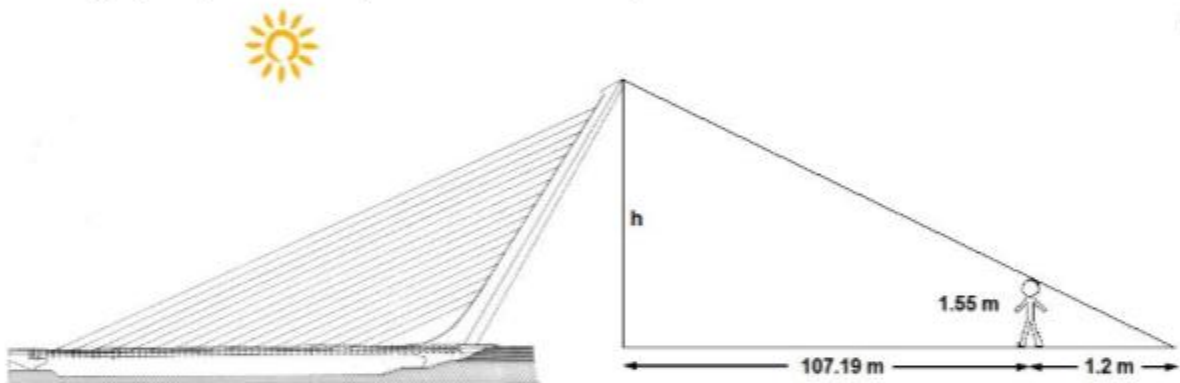


b)



Exercise 3: (1 point) Find the axial diagonal of a cuboid with sides of length 15 cm, 17 cm and 20 cm

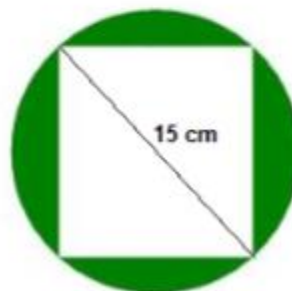
Exercise 4: (1 point) Find the height of the Alamillo Bridge in Seville:



Exercise 5: (1.25 points) Work out the value of the sides of a right-angled triangle if they measure $x-1$, $x+2$, and $x+5$ meters

Exercise 6: (1.25 points) Find the area of an isosceles trapezium if the bases measure 43 cm and 57 cm and the slanted side has a length of 30 cm

Exercise 7: (1.25 points) Work out the value of the shadowed area between the circle and the square:



Exercise 8: (1.75 points) Work out the value of the area of a heptagonal pyramid with altitude 12 cm if the length of the side of the base is 25 cm and the edge of the faces measures 20 cm.

